

CLAIMS

What is claimed is:

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1. An apparatus for displaying a plurality of data categories, comprising:
a display that is configured to produce a first visual representation of a first data category of the plurality of data categories and a second visual representation of said second data category of the plurality of data categories; and
a processor that is configured to control said display during production of said first visual representation of said first data category and said second visual representation of said second data category such that said first visual representation of said first data category is at least partially transparent to provide at least partial visibility of said second visual representation of said second category through said first visual representation of said first data category.
 2. The apparatus of Claim 1, wherein said display is configured to produce a third visual representation of a third data category of the plurality of data categories and said processor is configured to control said display during production of said first visual representation of said first data category and said third visual representation of said third data category such that said first visual representation of said first data category is at least partially transparent to provide at least partial visibility of said third visual representation of said third category of data through said first visual representation of said first data category.
 3. The apparatus of Claim 2, wherein said display is configured to produce a fourth visual representation of a fourth data category of the plurality of data categories and said processor is configured to control said display during production of said first visual representation of said first data category and said fourth visual representation of said fourth data category such that said first visual representation of said first data category is at least partially transparent to provide at least partial visibility of said fourth visual representation of said fourth data category through said first visual representation of said first data category.

4. The apparatus of Claim 1, wherein said processor is control said display for production of a plurality of transparency levels providing a plurality of reduced visibilities of said second visual representation of said second data category through said first visual representation of said first data category.

5. The apparatus of Claim 1, wherein said plurality of data categories are vehicle data categories.

6. The apparatus of Claim 1, wherein said plurality of data categories are aircraft data categories.

7. The apparatus of Claim 1, wherein said display is a Multi-Function Display (MFD).

8. The apparatus of Claim 1, wherein said first data category is sensor data.

9. The apparatus of Claim 1, wherein said second data category is navigation data.

10. An apparatus for displaying a plurality of data categories, comprising:
a display that is configured to produce a first visual layer representation of a first data category of the plurality of data categories and a second visual layer representation of a second data category of said plurality of data categories;

a processor that is configured to control said display to present said first visual representation of said first data category superimposed over said second visual representation of said second data category and superimpose said second visual representation of said second data category over said first visual representation of said first data category if a predefined event is identified by said processor.

11. The apparatus of Claim 10, wherein said display is configured to produce a third visual representation of a third data category of the plurality of data categories and said processor is configured to control said display to present said first visual representation of said first data category superimposed over said third visual representation of said third data category and superimpose said third visual representation of said third data category over said first visual representation of said first data category if said predefined event is identified by said processor.

12. The apparatus of Claim 11, wherein said display is configured to produce a fourth visual representation of a fourth data category of the plurality of data categories and said processor is configured to control said display to present said first visual representation of said first data category superimposed over said fourth visual representation of said fourth data category and superimpose said fourth visual representation of said fourth data category over said first visual representation of said first data category if said predefined event is identified by said processor.

13. The apparatus of Claim 10, wherein said plurality of data categories are vehicle data categories.

14. The apparatus of Claim 10, wherein said plurality of data categories are aircraft data categories.

15. The apparatus of Claim 10, wherein said display is a Multi-Function Display (MFD).

16. The apparatus of Claim 10, wherein said first data category is sensor data.

17. The apparatus of Claim 10, wherein said second data category is navigation data.

18. An apparatus for displaying a plurality of data categories, comprising:
a display that is configured to produce a first visual representation of a first data category of the plurality of data categories, a second visual representation of said second data category of the plurality of data categories; and

a processor that is configured to control said display during production of said first visual representation of said first data category, said second visual representation of said second data category such that a first color is provided for said first visual representation of said first data category and a second color is provided for said second visual representation of said second data category that correspond to a first priority for said first color and a second priority for said second color with a first color difference between said first color and a background color of said display greater than about seventy-five and a second color difference between said second color and said background color less than about seventy-five.

19. The apparatus of Claim 18, wherein said first color difference is greater than about ninety (90).

20. The apparatus of Claim 18, wherein said first color difference is greater than about one hundred (100).

21. The apparatus of Claim 18, wherein said second color difference is less than about ninety (90).

22. The apparatus of Claim 18, wherein said second color difference is less than about one hundred (100).

23. The apparatus of Claim 18, wherein said plurality of data categories are vehicle data categories.

24. The apparatus of Claim 18, wherein said plurality of data categories are aircraft data categories.

25. The apparatus of Claim 18, wherein said display is a Multi-Function Display (MFD).

26. The apparatus of Claim 18, wherein said first data category is sensor data.

27. The apparatus of Claim 18, wherein said second data category is navigation data.